

AMENDMENTS TO THE SPECIFICATION

Page 4, paragraph no. 2 please replace with the following amended paragraph:

Fig. 1 is a diagram showing a state of dispersion of SiC particles and Si particles in a texture of a silicon carbide sintered body obtained according to example 1.

Page 4, paragraph no. 3 please replace with the following amended paragraph:

Fig. 2 is a diagram showing a state of dispersion of SiC particles and Si particles in a texture of a silicon carbide sintered body obtained according to a reference example.

Page 11, paragraph no. 3, which bridges over to page 12, please replace with the following amended paragraph:

An embodiment of a manufacturing method of a silicon carbide sintered body according to the present invention includes (1) dispersing silicon carbide powder in a solvent, followed by pouring an obtained slurry-like powder mixture in a mold, further followed by drying to obtain a green body, (2) calcining the obtained green body under a vacuum atmosphere or an inert gas atmosphere at a temperature in the range of 1200°C to 1800°C to obtain a calcined body 1, (3) impregnating the obtained calcined body 1 with a carbon source, (4) calcining a calcined body 2 impregnated with a carbon source, (5) reaction sintering where the obtained calcined residual silicon, the exudation, the mechanical strength, the average particle diameter, and the density were observed. The processing temperature and processing time conditions in the removing

unreacted silicon, and obtained experimental results are shown in Table 1. A dispersion state of SiC particles and Si particles in a texture of the silicon carbide sintered body obtained according to example 1 is shown in Fig. 1.

Page 33, before “(Experimental results)” insert the following new paragraph:

(Reference example)

A silicon carbide sintered body was obtained similarly to the foregoing example 1 except that the removing unreacted silicon is not disposed. A dispersion state of SiC particles and Si particles in a texture of the silicon carbide sintered body obtained according to the reference example is shown in Fig. 2.

Page 34, before “(Evaluation criteria)” insert the following new paragraph:

Comparison between example 1 and reference example:

It is found that, according to example 1, a silicon carbide sintered body having a structure where silicon particles are uniformly dispersed can be obtained.